

Claims.

1. Inlet piece for a liquid-injected compressor element, characterised in that it comprises a sleeve (8) which consists of a casing (11), a bottom wall (12) provided with an opening (13) and a top wall (14) which is entirely tight, a pipe (9) opening on the inside of the sleeve (8) and a partition (10) comprising a span part (15) which spans the opening (13) in the aforesaid bottom wall (12) and which transforms into an enclosing part (16) reaching down to the bottom wall (12), partially enclosing the opening (13), whereby the partition (10) leaves a passage (18) on one side of the opening (13) and the pipe (9) opens in the sleeve (8) between the top wall (14) and the span part (15), such that, because of the partition (10), gas flowing from the opening (13) to the pipe (9) has to make among others a revolving movement.
2. Inlet piece according to claim 1, characterised in that all edges of the partition (10), except the edges of the passage (18), fit up against the casing (11).
3. Inlet piece according to claim 1, characterised in that the enclosing part (16) of the partition (10) only fits up against the casing (11) with a side

edge, whereas the passage (18) between the other side edge and the casing (11) remains open.

4. Inlet piece according to claim 1, 2 or 3, characterised in that the sleeve (8) is cylindrical or has an elliptic section.
5. Inlet piece according to claim 1, characterised in that the enclosing part (16) preferably forms an angle α in relation to the vertical on the bottom wall (12).
6. Inlet piece according to any of the preceding claims, characterised in that the opening (13) in the bottom wall (12) of the sleeve (8) is situated eccentrically.
7. Inlet piece according to any of the preceding claims, characterised in that, on the side of the span part (15), the passage (18) is limited by an additional partition part (17) connecting onto said span part (15) and extending over a small distance towards the bottom wall (12).
8. Inlet piece according to claim 7, characterised in that it is at least as wide as the size of the opening (13).
9. Inlet piece according to any of the preceding claims, characterised in that it comprises an additional partition (19) provided between the span part (15)

and the top wall (14) and connecting onto the casing (11) with one edge, whereby this partition (19) is at least as long as the passage (18) and prevents gas from flowing directly from the passage (8) to the pipe (9).

10. Inlet piece according to any of the preceding claims, characterised in that the passage (18) has a surface which is at least as large as the surface of the section of the pipe (9).
11. Inlet piece according to any of the preceding claims, characterised in that the distance between the enclosing part (16) and the casing (11) of the sleeve (8) is at least as large as the width of the passage (18), measured parallel to the bottom wall (12).
12. Inlet piece according to any of the preceding claims, characterised in that it is mounted directly on the inlet of the compressor element (2).
13. Inlet piece according to claim 12, characterised in that it is provided with a mounting flange (6) protruding outside the casing (11), which flange forms a whole with the bottom wall (12).
14. Inlet piece according claim 9, characterised in that, if the flange (6) is smaller than the bottom wall (12), an additional outlet pipe is provided.

15. Inlet piece according to one or several of the preceding claims, characterised in that it is erected vertically, such that the oil collected in the connecting piece can flow back into the compressor element.